

# *Certificate of Analysis*

## *MEG, LLC*

Moment Exploration Geoservices

P.O. Box 281728 Lamoille, Nevada, U.S.A. 89828

Email: [ajeet@megllc.org](mailto:ajeet@megllc.org) Website: <https://www.megllc.org>

Tel: 541-350-8738

### **MEG-Au.19.10**

Certified Reference Material

**MEAN = 0.813 ppm Au**

**95% Confidence = 0.741 - 0.884**

**Prepared By:** Shea Clark Smith / Minerals Exploration & Environmental Geochemistry

**Certified By:** Shea Clark Smith, MSc.( Geochemistry)

**Manufactured for:** MEG LABS, Inc.

**Date of Certificate:** Friday, September 6, 2019

#### **Origin of Reference Material:**

Certified Reference Material

Nevada low sulfidation ore from mixed Nevada volcanics.

This material is not intended to be matrix-matched to any specific ore lithology.

#### **Method of Preparation:**

123 Kg of mixed Nevada ore was jaw crushed and roll crushed.

The batch was comminuted to powder in a ceramic ball mill for 120 hours.

Gold in solution was added to the desired economic concentration.

The batch was further comminuted to powder in a ceramic ball mill for 24 hours.

Sizing tests of the final product show greater than 95% pass -74um (-200 mesh).

The standard was packaged in 50 g envelopes, each envelope with a removable sticky-label.

#### **Method of Analysis:**

Using the ICPMS capabilities of just one laboratory, homogeneity tests were done to estimate multielement

Then, five samples each to nine laboratories were fire assayed on 30 gram subsamples, and these data were

#### **Summarized Assay Results:**

**PROJECT:** MEG-Au.19.10 reported in ppm (parts per million)

<b>GOLD (ppm)</b>	<b>PPM</b>
<b>DATA POINTS (ALL DATA)</b>	<b>106</b>
<b>MEAN (ALL DATA)</b>	<b>0.813</b>
<b>STANDARD DEVIATION (ALL DATA)</b>	<b>0.036</b>
<b>% RSD</b>	<b>4.4</b>
<b>RANGE OF VALUES - HIGH</b>	<b>0.886</b>
<b>RANGE OF VALUES - LOW</b>	<b>0.702</b>
<b>95% CONFIDENCE LIMITS</b>	<b>0.741 to 0.884</b>

<b>DATA POINTS (LAB DATA)</b>	<b>10.000</b>
<b>MEAN (LABS)</b>	<b>0.811</b>
<b>STANDARD DEVIATION (LABS)</b>	<b>0</b>
<b>% RSD</b>	<b>3.687</b>
<b>RANGE OF VALUES - HIGH</b>	<b>0.865</b>
<b>RANGE OF VALUES - LOW</b>	<b>0.8</b>
<b>95% CONFIDENCE LIMITS</b>	<b>0.75164 to 0.871</b>

<b>SILVER (ppm)</b>	<b>PPM</b>
<b>DATA POINTS (ALL DATA)</b>	<b>113.000</b>
<b>MEAN (ALL DATA)</b>	<b>35.109</b>
<b>STANDARD DEVIATION (ALL DATA)</b>	<b>1.608</b>
<b>% RSD</b>	<b>4.581</b>
<b>RANGE OF VALUES - HIGH</b>	<b>39.800</b>
<b>RANGE OF VALUES - LOW</b>	<b>31.600</b>
<b>95% CONFIDENCE LIMITS</b>	<b>31.892 to 38.326</b>

<b>DATA POINTS (LAB DATA)</b>	<b>11.000</b>
<b>MEAN (LABS)</b>	<b>35.114</b>
<b>STANDARD DEVIATION (LABS)</b>	<b>1.219</b>
<b>% RSD</b>	<b>3.471</b>
<b>RANGE OF VALUES - HIGH</b>	<b>37.770</b>
<b>RANGE OF VALUES - LOW</b>	<b>33.370</b>
<b>95% CONFIDENCE LIMITS</b>	<b>32.676 to 37.551</b>

#### **Statistical Procedures:**

Acceptable assay limits are based on the results of 5 samples shipped to each of 10 laboratories.

Some labs assayed submitted samples twice, in different months, or different years.

The samples were submitted with other MEG standards in randomized order, so that as much as possible, real Standards with an RSD (Relative Standard Deviation) of near or less than 5% are termed "Certified", while

#### **Instructions and Recommendations for Use:**

Submit the entire contents of one 50 g envelope in random locations in the submittal, approximately every 10-

#### **Intended Use:**

The standard material can be used to validate the analysis of samples from gold ores with a similar grade.

As a control sample in routine assay laboratory operations, it should behave within the limits as indicated

The recommended concentrations and limits for this material are based on multiple assays from several

This standard material is not recommended for method development, nor instrumental calibration.

#### **Handling Instructions:**

The material is packaged in manila tin-top envelopes for easy open and close use. The material should be reblended just prior to use in the assay laboratory. This can be done with a micro-riffle splitter or rubber sheeting. Simple agitation and shaking is not sufficient to rehomogenize prior to use.

Normal safety precautions for handling powders are recommended. The use of safety glasses, dust inhalation

#### **Safety Notice:**

A Material Safety Data Sheet (MSDS) is not required for this material. This material will not release or

#### **Legal Notice:**

This certificate and the referenced material have been prepared with due care and attention. However,

**Assay Data Used to Calculate "True" Gold Value:**

Sample	Lab 1 ppm Au	Lab 2 ppm Au	Lab 3 ppm Au	Lab 4 ppm Au	Lab 5 ppm Au	Lab 6 ppm Au	Lab 7 ppm Au	Lab 8 ppm Au	Lab 9 ppm Au	Lab 10 ppm Au
1	0.845	0.812	0.763	0.843	0.797	0.807	0.863	0.798	0.779	0.813
2	0.852	0.838	0.769	0.798	0.766	0.835	0.853	0.790	0.826	0.805
3	0.850	0.796	0.804	0.826	0.783	0.821	0.862	0.799	0.821	0.816
4	0.852	0.817	0.789	0.771	0.812	0.826	0.850	0.785	0.787	0.764
5	0.877	0.788	0.776	0.807	0.762	0.830	0.882	0.777	0.819	0.787
6	0.856	0.772	0.758	0.767	0.775	0.814	0.852	0.743	0.865	0.803
7	0.838	0.780	0.789	0.753	0.794	0.836	0.886	0.787	0.873	0.778
8	0.817	0.844	0.818	0.810	0.808	0.821	0.870	0.765	0.832	0.702
9	0.859	0.801	0.77	0.813	0.780	0.834	0.870	0.785	0.858	0.807
10	0.850	0.784	0.793	0.799	0.762	0.845	0.864	0.784	0.863	0.807
11	0.841	0.839				0.813				
12	0.833	0.832								
13	0.854									

**Assay Data Used to Calculate "True" Silver Value:**

Sample	Lab 1 ppm Ag	Lab 2 ppm Ag	Lab 3 ppm Ag	Lab 4 ppm Ag	Lab 5 ppm Ag	Lab 6 ppm Ag	Lab 7 ppm Ag	Lab 8 ppm Ag	Lab 9 ppm Ag	Lab 10 ppm Ag
1	35.00	36.00	35.90	35.90	36.70	33.00	33.00	35.10	34.00	35.90
2	35.70	34.00	36.40	37.50	36.80	33.00	33.00	34.90	35.00	35.20
3	35.00	33.00	36.90	37.80	36.80	34.00	34.00	34.70	34.00	35.30
4	35.10	35.00	35.40	37.20	37.10	36.00	34.00	34.10	34.00	35.00
5	34.60	36.00	39.10	36.40	37.20	35.00	37.00	35.00	34.00	36.30
6	34.80	35.00	37.10	37.80	36.80	35.00	32.00	34.20	34.00	36.60
7	34.40	34.00	34.30	38.40	33.90	35.00	33.00	34.50	34.00	36.60
8	35.50	36.00	34.10	38.90	33.60	35.00	32.00	34.50	34.00	35.60
9	35.40	35.00	34.40	39.80	34.10	36.00	39.00	34.20	34.00	36.20
10	35.70	36.00	36.80	38.00	35.50	35.00	32.00	34.10	34.00	34.40
	Lab 11 ppm Ag	Lab 12 ppm Ag	<b>Aqua Regia</b>							
1	33.70	23.30								
2	32.90	23.50								
3	32.60	23.60								
4	34.10	23.80								
5	34.10	23.60								
6	33.10	23.80								
7	34.10	23.60								
8	33.10	23.80								
9	31.60	23.40								
10	34.40	23.40								

**Participating Laboratories:**

American Assay Labs (Sparks)  
Activation Laboratories (Ancaster)  
Activation Laboratories (Kamloops)  
ALS (Vancouver)  
ALS (Loughrea)

Bureau Veritas (Reno)  
McClelland (Sparks)  
MSAnalytical (Langley, BC)  
SGS (Burnaby)  
Skyline (Tucson)



**Certified By:**

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**Shea Clark Smith, MSc., P.G.**